

Product datasheet for **MG216968**

Amz1 (NM_173405) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Amz1
Synonyms:	5330426I05; 6530401C20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG216968 representing NM_173405
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGTGCAGTCAAACCACCCAGGAGTTCAGCTTCGGGCCCGGGCCCTGAAGGATGCCCTGATCTCCT
 GTGACCTGGCCCTGAAGCAGATGTATACCTCAGCCTTTTCCCGTCGGAGAGACTCTTCCTGTCTGAGGC
 CTACAACCCTAACCGGACTCTCTTACGACACTGCTCATTCACTCAGCCTATGACTGGCTCTGAGCCGC
 CCTGAAGCCCTGAGGATTTGAGACCTTCCATGCTTCTTTCAGCTCCGGAAGCAGAGCCTGGCCCGGA
 AACACATTTACCTGCAGCCATAGATCTGAGCGAGGGCTGGCGGGATGCCCCCTGCTGGACCCTTCG
 GAGCTGCGCCGAGGCTTCTTCTGGCCCTTCGCGTCAAATGCCCTGCCCTCAGTGGCTGCCGCTCCATT
 AACTGTGCTCAAGACCCAGTCGGGATACTGATGGCTTCAACTTCACACAGATGGCATCTTGTCTTCT
 TGAAGAACAACAAGCCAGGGGATGCCTTGTGCTGCTGGCCCTCACGCTGGCTGACCTGTACCCCATGA
 TGCTGGACCTTACCTTCGGCAGATTTCTTCGGGGCAGAAAGTGGTGTGTGTAGCTTCGCTCGCTTC
 TCTGGAGAGTTCTTGCAGGCCGGTCCAGTGTTCCTGACTCAGCTCTGCTGGAGGCAGCAGCAGAGGTG
 GCCCCGAGACGCTGCCTCGTAGCGAGGACGGACCCTGTGCTTACGCGCCCTGGGCATGGTTCAAGTGTG
 CAAGGTCACCTGCCATGAGCTCTGCCACCTCCTGGCCCTGGGAGCTGTGCTGGCTCCGCTGCCTCCTG
 CAGGGGGCGCTTAGCCTGGATGAGTGTCCGTGGCCCTGGACCTCTGTCCATCTGCTTGGAGGAGT
 TGCATCACCTCCTGGGCTTCAAGCTCCTGGAGAGGTACAAGAGACTCCATGCTTGGACTCGGGTGTGTT
 GGAGATATGGTCTGGTCAAGAGGCTGGGGAGCCATCTGTGTCGGAGGACACCTTACCCTTCAAGTGTGAC
 TCAGGCATGGGCTGTGAGAGTGACACGGAGCCTGTACCAGCCCGTCAGAGCCTGTACCCCTGATGGGT
 GGAGTCATCCCTTCCCTGACGGACCTGAACCAGTATCTGAGGATGGGCTGGCTCTCTCATGGCCTCAGA
 AGTGTGCTGACCTCGGGGGCCGGTGGACGCCATGGAGGAGTATGGACAGTGGCTGACTGCGTGCATC
 CAGACCCTGGAGAGGGGAGGCTGAAGAGGAGCTGCTCCAGTGGATGCGGCTGTGGATGCCCTGAGCC
 GGTGGGAGATGTTACAGGGCAGCTCCCGGTGACCAAGCAGCAGTGCCTGTGGCAAGGATAATGTGGG
 ACTGCGCAGGCTTGGAGACAAGTTCTTCCCTGAGCGCCGGCTGAGCTCACGAAGATTTGCCAAG
 GCCAGTCTTCCCACTGCCCTGGGGGCAGAGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >MG216968 representing NM_173405
 Red=Cloning site Green=Tags(s)

MVQCKPPQEF SFGPRALKDAL ISCDLALKQMYTSAFSPSERLFLSEAYNPNTLFLSTLLIHSAYDWLLSR
 PEAPEDFETFHASLQLRKQSLARKHIYLPIDLSEGLAGCPLLDHLRSCAEAFFLGLRVKCLPSVAAASI
 NCCSRPSRDTDGLQLHTDGLSFLKNNKPGDALCVLGLTLADLYPHDAWTFTRGRFLPGHEVGVCSFARF
 SGEFLQAGSSVPDSALLEAAAAGGPETLPRERGRTLCF SALGMVQCKVTCHELCHLLGLGSCRWLRCLL
 QGALSLEVLRRPLDLCPICLRKLHLLGFRLRLERYKRLHAWTRVMVEIWSGQEAGEPSVSEDTLF SAD
 SGMGCESDTEPVTSPSEPVPDQWHPFPDGPVSEDLGSLMASEVSLTLGGPVDAMEEYQWL TACI
 QTLEREGAEELLQVDAVDALSRWEMFTGQLPVTQHVPCGKDNVGLRRVLDGKDFSSLRRLSSRRFAK
 ASSSHCRWGAEN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_173405

ORF Size: 1506 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

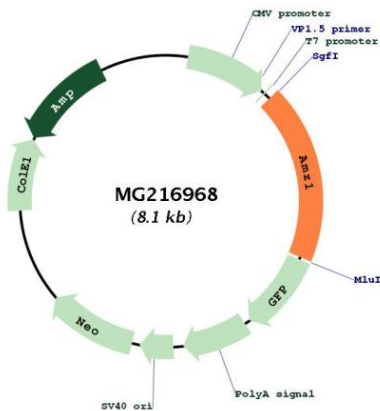
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_173405.2](#), [NP_775581.1](#)

RefSeq Size: 2685 bp

RefSeq ORF:	1509 bp
Locus ID:	231842
UniProt ID:	Q8BVF9
Cytogenetics:	5 G2
Gene Summary:	Zinc metalloprotease. Exhibits aminopeptidase activity against neurogranin in vitro. Does not hydrolyze angiotensin-2 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG216968